



Advancing Energy Efficiency in Mississippi's Institutes of Higher Learning

Grant Kickoff Meeting
March 8, 2013

- ▶ EMC
 - ▶ Active to EMC
 - ▶ Alcorn-Automatic
 - ▶ Ms Valley State University-Automatic
 - ▶ Delta State University-Automatic
 - ▶ MUW-Recently Installed-Automatic
 - ▶ Planned 2013
 - ▶ MSU Main Campus-Automatic
 - ▶ UMMC-Main Campus-Automatic
 - ▶ JSU-Master Meters Virtual to EMC
 - ▶ USM-Master Meters Virtual to EMC
 - ▶ Ole MS-Master Meters Virtual to EMC
 - ▶ Planned 2014
 - ▶ Ole MS-Main Campus-Automatic
 - ▶ JSU-Main Campus-Automatic
 - ▶ USM-All- Automatic
 - ▶ MSU-Remaining locations –Automatic

- ▶ Other
 - ▶ Electronic BoB Inventory sent to all IHL Locations for verification
 - ▶ Will continue to refine if necessary
 - ▶ Site Visits to USM 3/5, Ole MS 3/13
 - ▶ Assigning points and critical info. to locations without Smart Meters
 - ▶ To begin setting up visits and report information



Award Overview

- ▶ Goal: Energy Efficiency retrofit strategy for IHL facilities
- ▶ \$725,000.00 from U.S. DOE
- ▶ \$145,000.00 match from MDA
- ▶ \$450,000.00 from TVA **[If you want my opinion, should we say, plus some participation from TVA in their coverage, so the rest will not feel slighted right off the bat.?.]**



Project Team

▶ MDA

- ▶ Karen Bishop, MDA Energy & Natural Resources Division Director
- ▶ Kenny Brewer, MDA Energy & Natural Resources Project Manager
- ▶ Wally Majors, Utility Analysts

▶ DFA

- ▶ Rob Taggart, DFA Energy Manager

▶ IHL

- ▶ J.D. Hardy, Master of the Universe [😊What title do you want to use?]

▶ SEEA

- ▶ Mandy Mahoney, Vice President
- ▶ Jenah Zweig, Policy Manager

▶ Siemens

- ▶ Kyle Upton **Automation Sales Engineer**
- ▶ Bryan Williams **Service Account Engineer**



Process

1. Site visits to all universities by May 31, 2013
2. Finalize building inventory for each campus, to include building type, square footage, age, history, GPS coordinates, **[what am I missing?? Type/age of equipment and Building, Gas, Electricity, Address, Site, Special comments]**
3. Finalize list of buildings in EMC program
4. Comparative analysis:
 1. Review of funding availability, including new funding mechanisms
 2. ??
 3. ??
5. Prioritization of projects, with savings estimates
6. Present retrofit strategy to IHL Board of Trustees for adoption
7. Pilot retrofit strategy in municipality

EMC Program

▶ EMC (Energy Monitoring Control)

- ▶ Adopted by The State of Mississippi
- ▶ A proven Web-based Meter Data Management System that provides customized energy usage and benchmark reporting to its users.
- ▶ Can be used by multiple users with no software required on individual computers
- ▶ Reports, from simple energy usage to building or department comparisons, can be scheduled and e-mailed at pre-determined intervals.
- ▶ Allows you to identify areas for improvement, thus reducing energy consumption and environmental impact

▶ EMC Status at IHL Facilities

<u>Active</u>	<u>Planned 2013</u>	<u>Planned 2014</u>	
Alcorn-Automatic	MSU Main Campus- Automatic	Ole MS-AutomaticMs	
Valley State University-Automatic	UMMC-Automatic	JSU-Automatic	
Delta State University-Automatic	JSU- Manual Entry	MSU-Remaining	
MUW -Recently installed-Automatic	USM- Manual Entry	USM-Remaining	
		MSU- Offsite Manual Entry	
	Ole MS-Manual Entry		



Integration with IHL Energy Council Efforts

▶ J.D.



Roles & Responsibilities

▶ Karen

▶ Deliverables

- ▶ Finalizing Inventory of Buildings for accuracy related to sq. footage, age, last retrofit, location (address, gps, zip, city), type of usage, electricity, gas (natural, propane, unit of measure), hours of operation, number of people, pc's, a/c, heat, etc.
- ▶ Identify needs
- ▶ Baseline Information-provide historical data, at least 12 months
- ▶ Initiate EMC
- ▶ Comparative Analysis:
 - ▶ Identifying Gaps (point of contact, etc.)
- ▶ Showcase Project
- ▶ Develop Retrofit Plan/EE program/Strategy
- ▶ Adopt Plan for IHL Facilities
- ▶ Pilot Strategy for Local Govt.
- ▶ Provide all Info. to Doe

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